

Title (en)
Microscope system and respective control method

Title (de)
Mikroskopsystem und entsprechende Steuermethode

Title (fr)
Système microscope et procédé d'opération conforme

Publication
EP 2000842 A1 20081210 (EN)

Application
EP 08010267 A 20080605

Priority
• JP 2007152010 A 20070607
• JP 2008111538 A 20080422

Abstract (en)
A microscope system that is capable of changing a status of observation of a sample (8) comprises an illumination unit (3) for applying illumination light to the sample; a driving unit (15) for driving one or more optical members including an objective lens (12); a position changing unit (15) for changing a relative position of the sample and the objective lens; a control unit (16) for controlling the illumination light for the sample to be applied, cut off or reduced; an instruction unit (16) for giving instruction for driving the one or more optical members or for the changing of the relative position; an image capturing unit (18) for capturing an observed image of the sample as a still image or a live image; and a display unit (22) for displaying the still image or live image captured by the image capturing unit. The microscope system changes an order for performing operations in accordance with the instruction from the instruction unit, the operations including an operation of driving the one or more optical members or changing the relative position; an operation of switching the illumination light for the sample from being cut-off or reduced to being applied; and an operation of switching the image displayed in the display unit from the still image to the live image.

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G02B 21/36 (2006.01)

CPC (source: EP US)
G01N 21/6458 (2013.01 - EP US); **G02B 21/241** (2013.01 - EP US); **G02B 21/361** (2013.01 - EP US); **G02B 21/365** (2013.01 - EP US)

Citation (applicant)
• DE 102005047261 A1 20070405 - ZEISS CARL JENA GMBH [DE]
• US 2002053639 A1 20020509 - KATSUMATA MASAYA [JP], et al
• US 2005190437 A1 20050901 - NAKAGAWA SHUJI [JP]
• EP 1775618 A2 20070418 - OLYMPUS CORP [JP]

Citation (search report)
• [X] DE 102005047261 A1 20070405 - ZEISS CARL JENA GMBH [DE]
• [X] US 2002053639 A1 20020509 - KATSUMATA MASAYA [JP], et al
• [X] US 2005190437 A1 20050901 - NAKAGAWA SHUJI [JP]
• [X] EP 1775618 A2 20070418 - OLYMPUS CORP [JP]
• [DX] JP 2006195274 A 20060727 - NIKON CORP

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EP2345921A3; EP3623798A1; CN110895243A; AU2019229421B2; US8773520B2; US10855923B2

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DE

Designated extension state (EPC)
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DOCDB simple family (publication)
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DOCDB simple family (application)
EP 08010267 A 20080605; US 13209708 A 20080603; US 201213562855 A 20120731